

# George Kanchaveli

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## EDUCATION

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### Bocconi University

*PhD in Statistics*

*Supervisors: Hugo Lavenant (Bocconi University) and Marta Catalano (Luiss University)*

*Projects:*

- *Two-sample test for laws of random probabilities via exchangeability and optimal transport*

**Milan, Italy**

**Sep 2022 - Aug 2026**

### Università degli Studi di Torino

**110/110 cum laude and special mention**

*MSc in Stochastics and Data Science*

*Thesis title: Bayesian community detection in Stochastic Block Models: comparison of marginal samplers*

*Stochastic Block Models are used to model the community detection problem, which has many applications in social networks, engineering, physics, and biology. I analysed approaches from Bayesian Nonparametric and Parametric methods, both theoretically and in simulations.*

*Supervisor: Pierpaolo De Blasi*

**Turin, Italy**

**Sep 2020 - Oct 2022**

### Collegio Carlo Alberto

**Graduated with distinction**

*Master in Statistics and Applied Mathematics*

**Turin, Italy**

**Sep 2020 - Oct 2022**

### Bocconi University

*BS in Economics, Management, and Computer Science*

*Thesis: Analysis of algorithms for finding graph cuts of minimal edge expansion*

*Finding such graph cuts has applications in clustering problems. I analyzed Fiedler's algorithm and Simulated annealing for this problem and compared their performances on different types of graphs.*

*Supervisor: Luca Trevisan*

**Milan, Italy**

**Sep 2017 - July 2020**

## INTERNSHIPS

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### Maxin AI

**Machine learning internship**

I studied and implemented convolutional neural networks (CNNs) using PyTorch, contributing to a project focused on identifying signs of diabetic retinopathy in eye images.

**Tbilisi, Georgia**

**Jun 2019 - Aug 2019**

## SKILLS & INTERESTS

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**Technical:** Python (Pandas, Sklearn, PyTorch), Julia, R.

**Quantitative:** Probability and Statistics, Machine Learning, Algorithms, Mathematics,

**Languages:** English (Highly proficient), Italian (Good working knowledge), Georgian (Native),